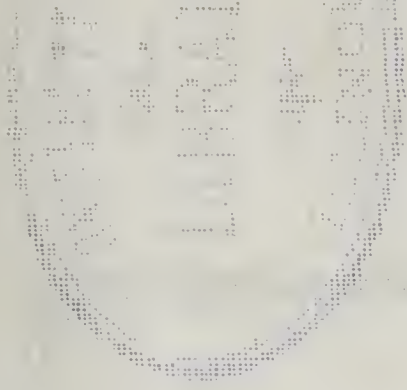


ATLAS NORTHWESTERN APPROPRIATE FIELD. PART 1. CROSS SECTION SHIT, NO. 1.

AA



557

228

AK

1940

U.S.

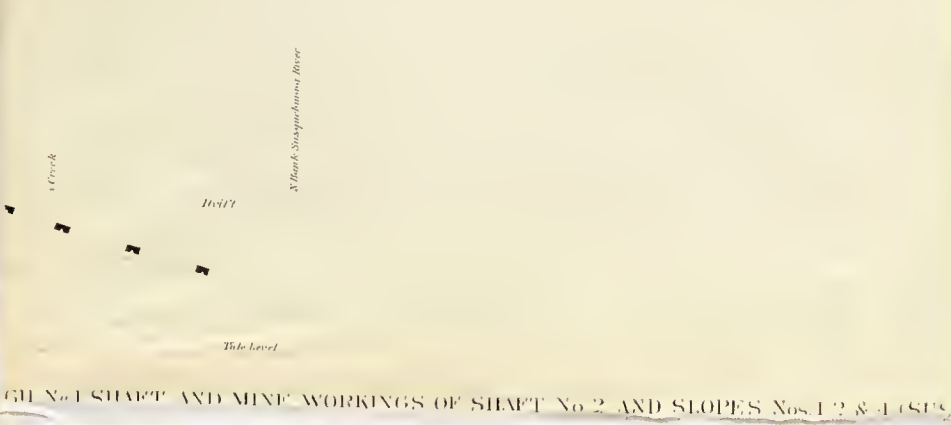
Geology

WYOMING BASIN, JERSEY COUNTY

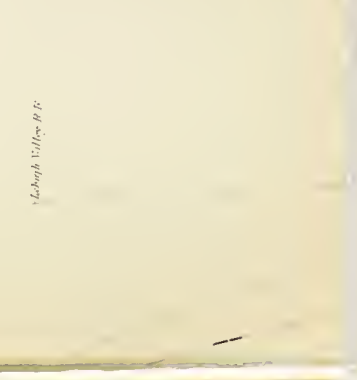
SECTION No. 8, ON MINE SHEET No. III, THROUGH THE MINE WORKINGS OF No. 3 COLLIERY (SQUANNAH COAL CO.)



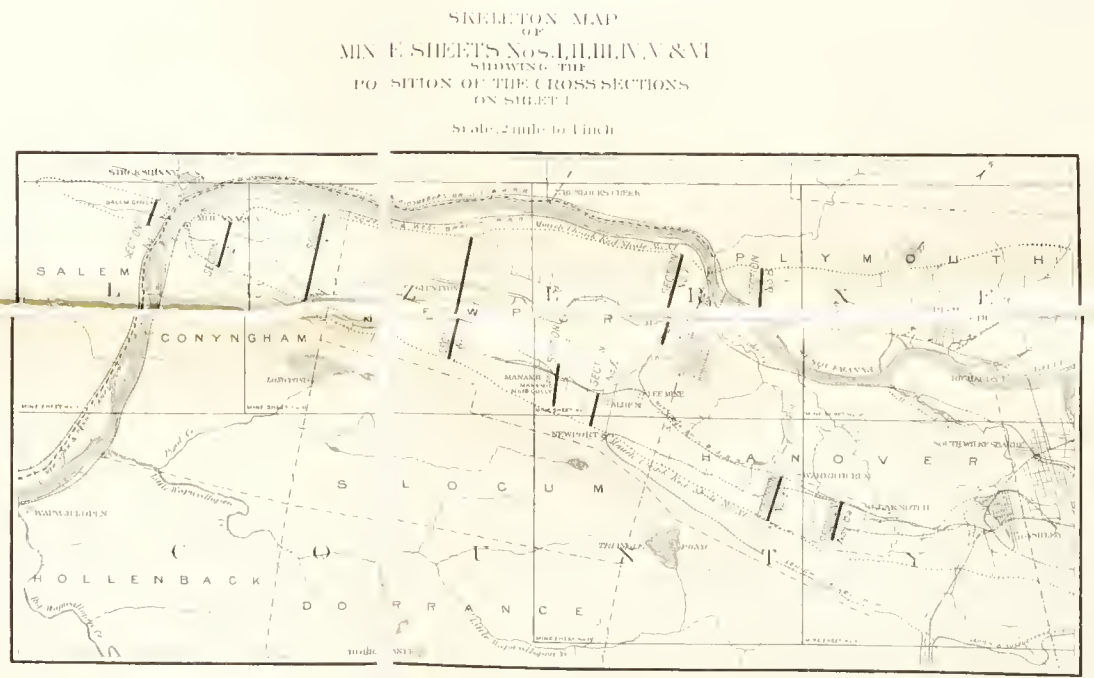
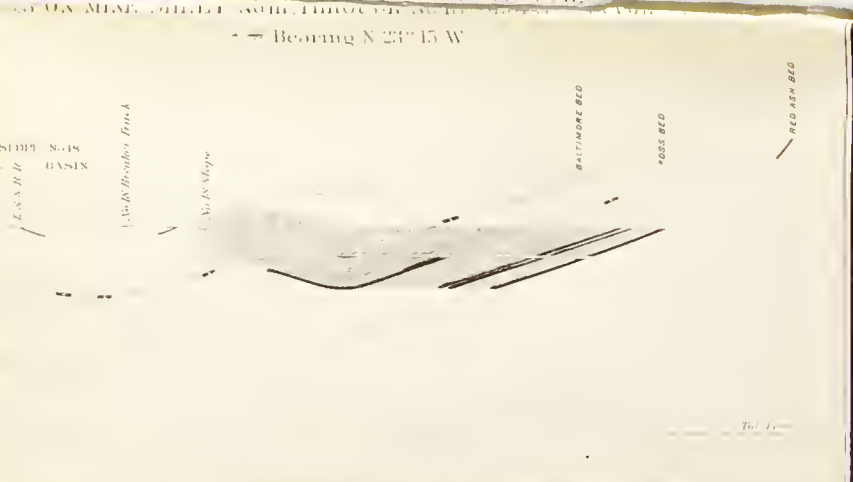
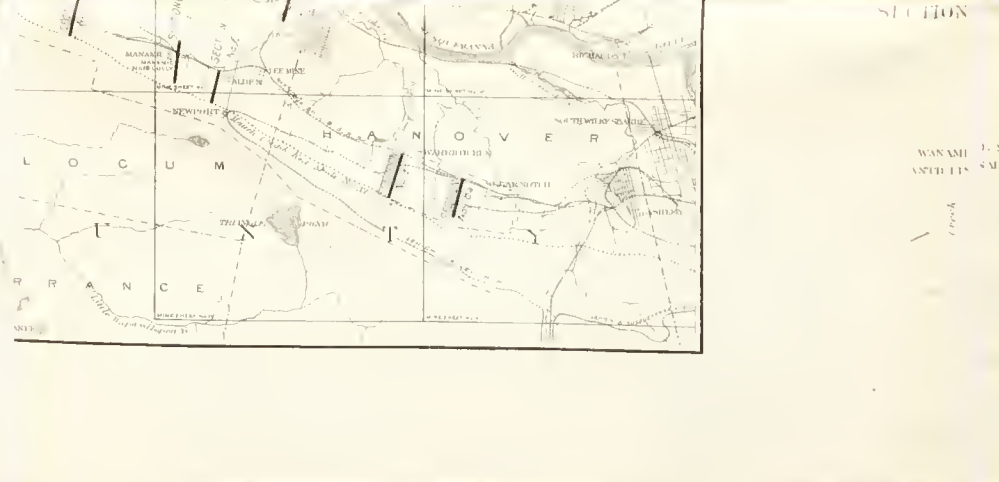
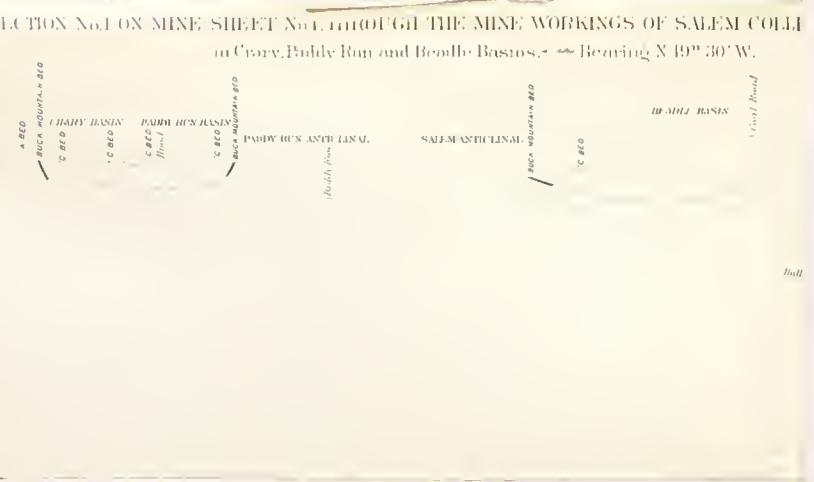
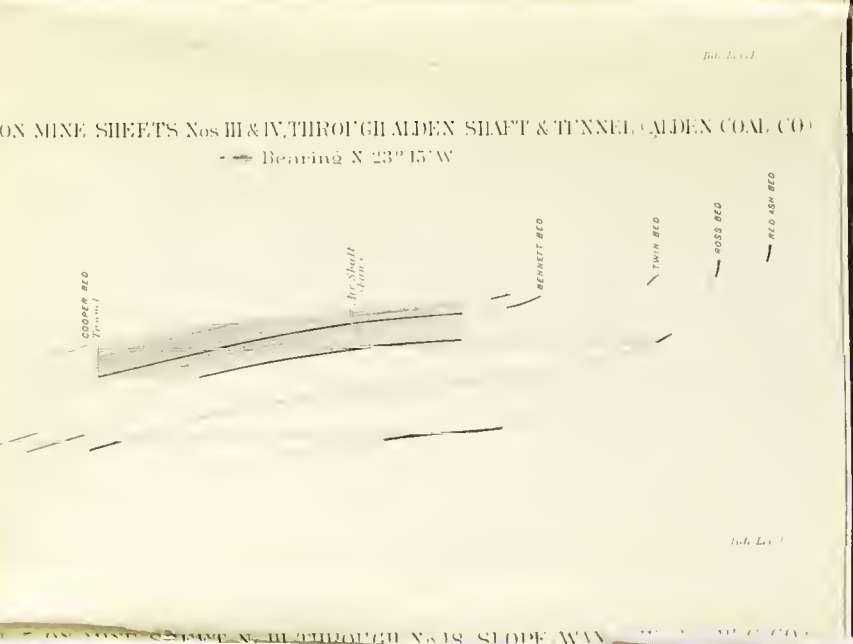
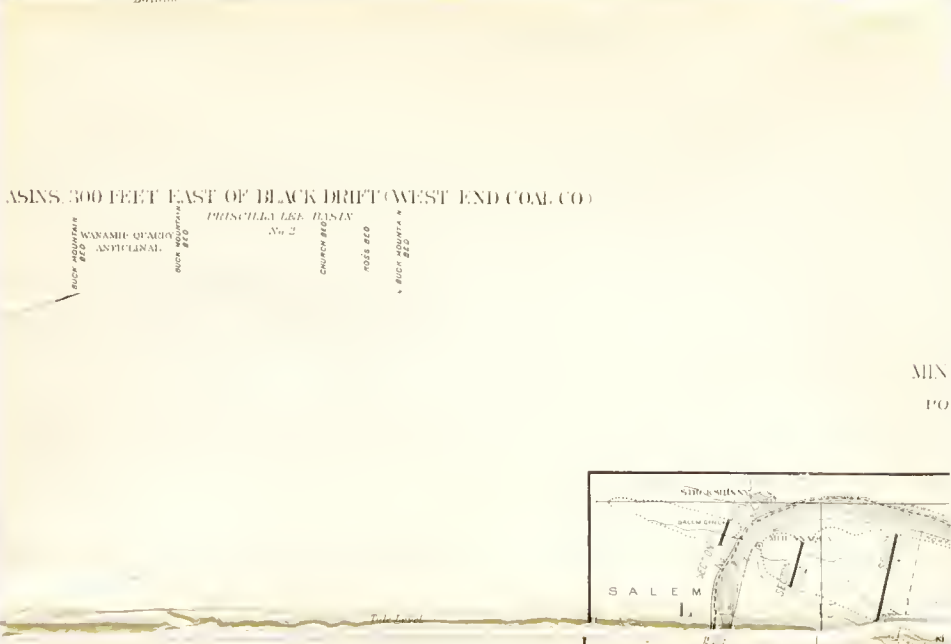
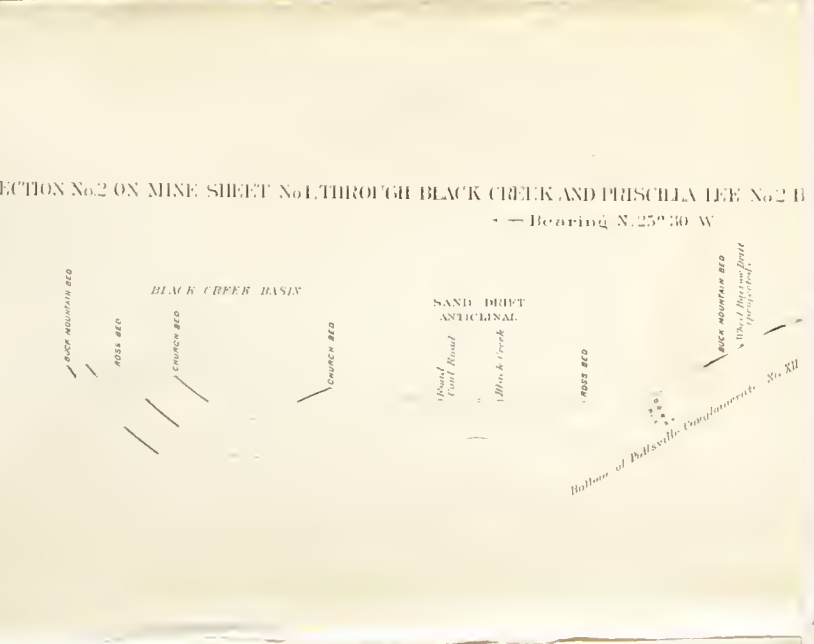
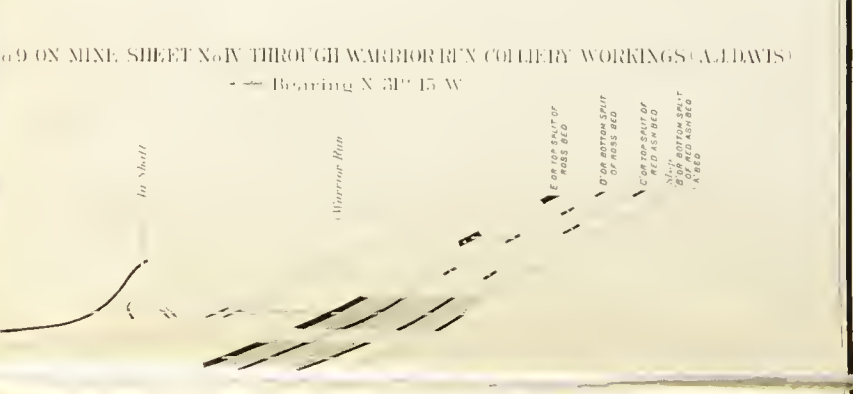
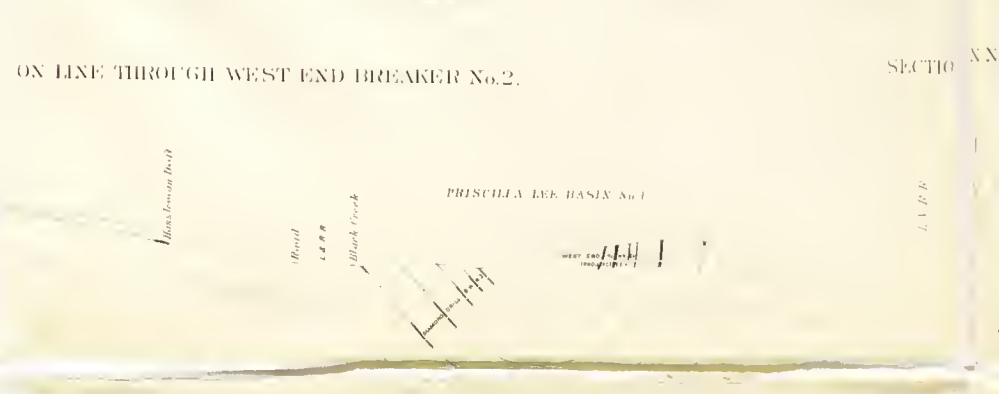
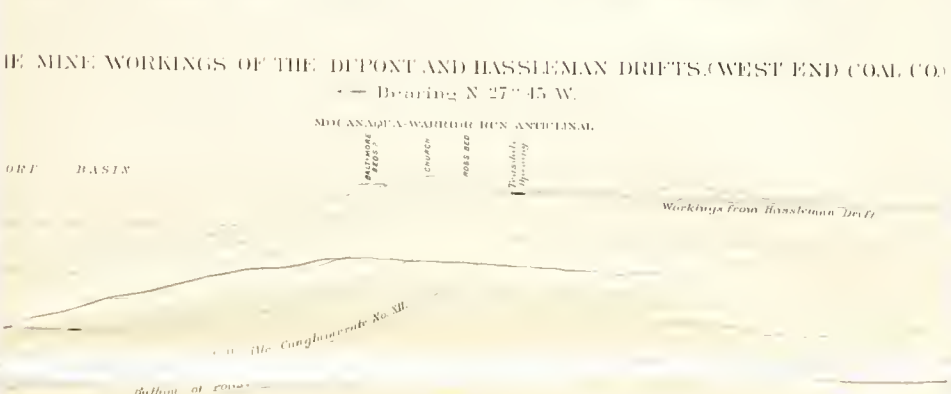
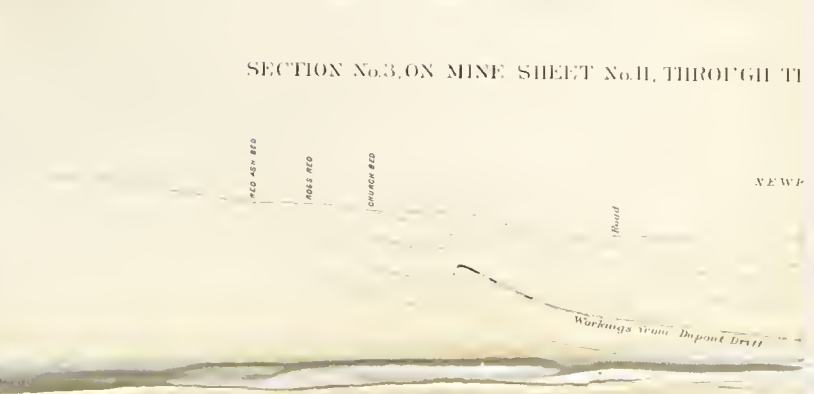
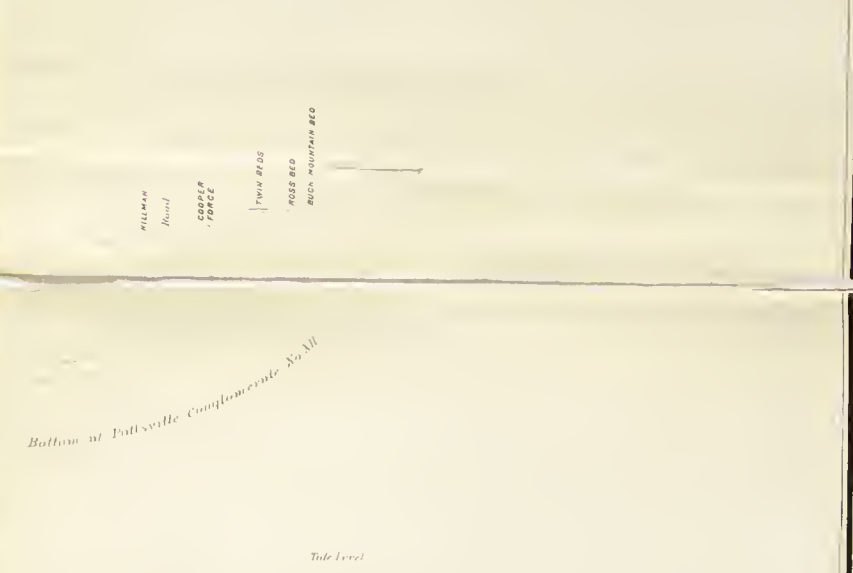
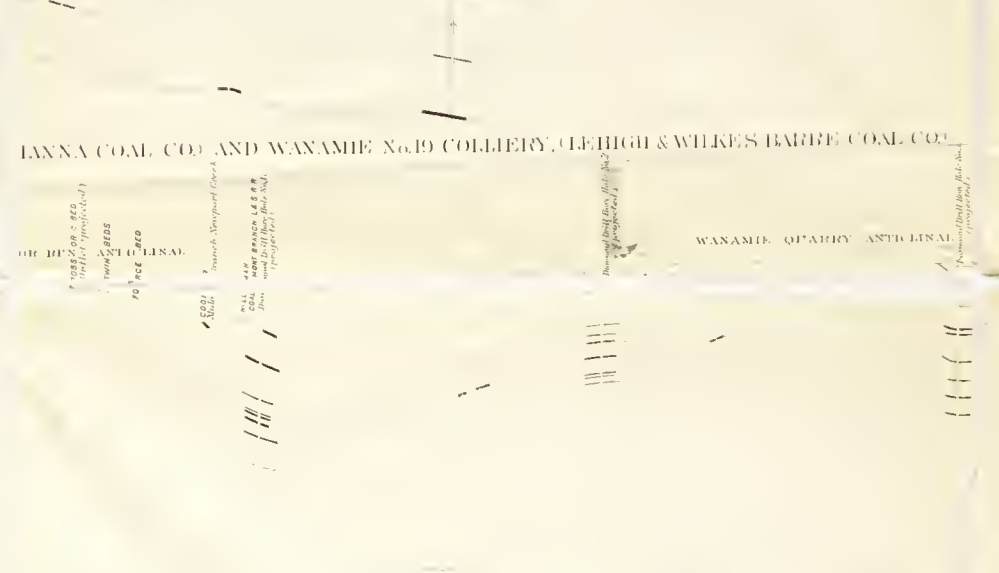
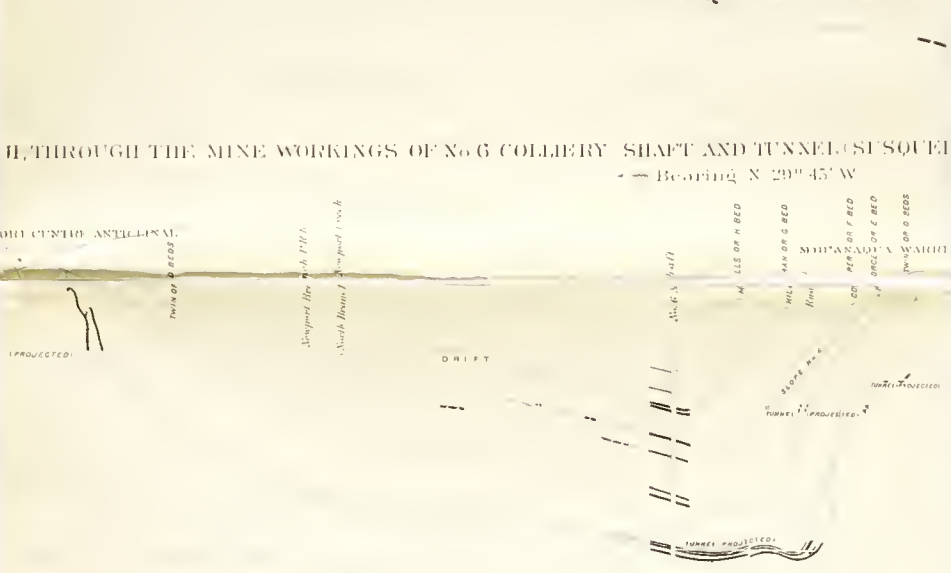
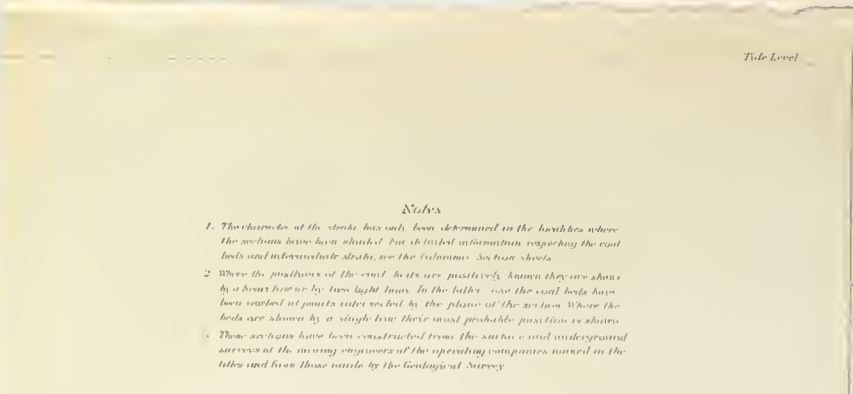
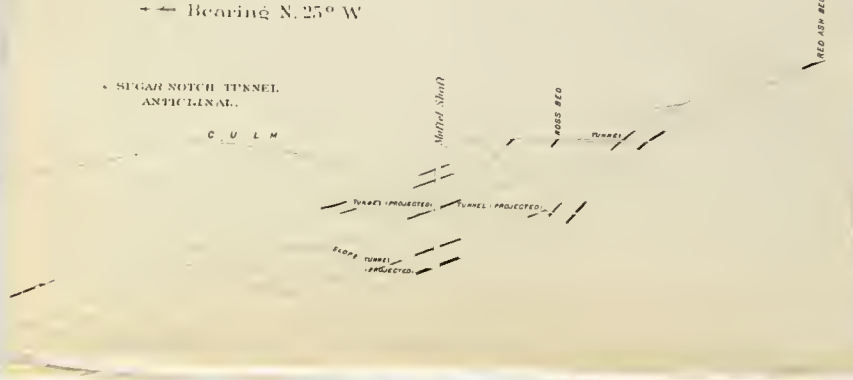
SECTION No. 1, ON MINE SHEET No. II, THROUGH THE MINE WORKINGS OF No. 1 COLLIERY (SQUANNAH COAL CO.)



SECTION No. 18, ON MINE SHEET No. IV, THROUGH THE MINE WORKINGS OF No. 18 COLLIERY (CLEIGH & WILKES)



SECTION No. 11, THROUGH THE MINE WORKINGS OF SUGAR NOTCH COLLIERY (BARRE COAL CO.) AND MAPLET COLLIERY (HANOVER COAL CO.)

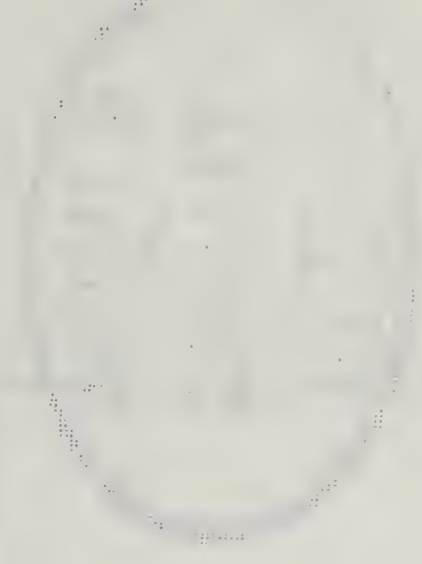




ATLAS PORTUGUESE ANTHEROTIC FIELD, PART 2, GROUPS GLOTHON SHEET, NO. 14

2.

AA.



557  
P38  
AA

Atlas  
U / 5

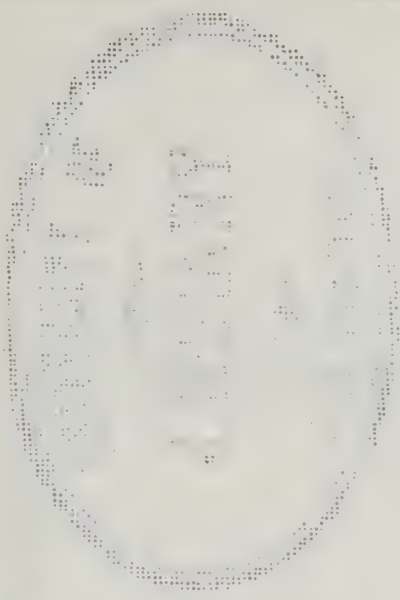
Geology



Q.

THE HOTTENOTT FIELD, PART A, CROSS SECTION SHEET, NO. 13

AA.



557

231

222

1700

6.16

(6.4.47)



Bearing N. 38° W



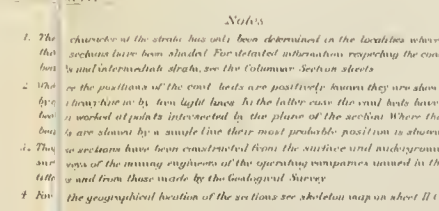
→ Bearing N 41° 30' W



Bearing N 38° 15' W.



N. 33° 30' W.



ATLAS 4000 THE BUREAU OF MINERAL INVESTIGATION

PART 1. COLUMBIAN SECTION SHEET, NO. 201.

4.

A. A.



550  
P21  
AA

Atlas

U15

Geology



No. 1.  
Mine Sheet No. XV  
MARVINE COLLIERY  
SHAFT AND BORE HOLE  
FROM SURFACE TO  
DUNMORE No. 3 BED  
*D. & H. C. Co.*

128  
 109  
 66  
 57  
 99  
 53

Figure 1 is a stratigraphic correlation chart showing the relationship between the Upper Permian and Lower Triassic in the Tethyan region. The chart is divided into four columns representing different geological sections. The vertical axis represents stratigraphic units, with labels on the left: 500, 400, 300, 200, 100, 0, 100, 200, 300, 400, 500. The units are color-coded: dark grey for coal beds, light grey for sandstone, and white for limestone. Key units include: 500-400: COAL BEDS; 400-300: COAL BEDS; 300-200: COAL BEDS; 200-100: COAL BEDS; 100-0: COAL BEDS; 0-100: COAL BEDS; 100-200: COAL BEDS; 200-300: COAL BEDS; 300-400: COAL BEDS; 400-500: COAL BEDS. The rightmost column (4) has labels: 500-400: COAL BEDS; 400-300: COAL BEDS; 300-200: COAL BEDS; 200-100: COAL BEDS; 100-0: COAL BEDS; 0-100: COAL BEDS; 100-200: COAL BEDS; 200-300: COAL BEDS; 300-400: COAL BEDS; 400-500: COAL BEDS. The bottom of the chart has labels: 'Total COAL BEDS 1000' and 'Total Thickness 6200'.

Scale 40 feet to 1 inch.

[illegible]

Section		Description		Remarks	
1	10'	10'	10'	10'	10'
2	10'	10'	10'	10'	10'
3	10'	10'	10'	10'	10'
4	10'	10'	10'	10'	10'
5	10'	10'	10'	10'	10'
6	10'	10'	10'	10'	10'
7	10'	10'	10'	10'	10'
8	10'	10'	10'	10'	10'
9	10'	10'	10'	10'	10'
10	10'	10'	10'	10'	10'
11	10'	10'	10'	10'	10'
12	10'	10'	10'	10'	10'
13	10'	10'	10'	10'	10'
14	10'	10'	10'	10'	10'
15	10'	10'	10'	10'	10'
16	10'	10'	10'	10'	10'
17	10'	10'	10'	10'	10'
18	10'	10'	10'	10'	10'
19	10'	10'	10'	10'	10'
20	10'	10'	10'	10'	10'
21	10'	10'	10'	10'	10'
22	10'	10'	10'	10'	10'
23	10'	10'	10'	10'	10'
24	10'	10'	10'	10'	10'
25	10'	10'	10'	10'	10'
26	10'	10'	10'	10'	10'
27	10'	10'	10'	10'	10'
28	10'	10'	10'	10'	10'
29	10'	10'	10'	10'	10'
30	10'	10'	10'	10'	10'
31	10'	10'	10'	10'	10'
32	10'	10'	10'	10'	10'
33	10'	10'	10'	10'	10'
34	10'	10'	10'	10'	10'
35	10'	10'	10'	10'	10'
36	10'	10'	10'	10'	10'
37	10'	10'	10'	10'	10'
38	10'	10'	10'	10'	10'
39	10'	10'	10'	10'	10'
40	10'	10'	10'	10'	10'
41	10'	10'	10'	10'	10'
42	10'	10'	10'	10'	10'
43	10'	10'	10'	10'	10'
44	10'	10'	10'	10'	10'
45	10'	10'	10'	10'	10'
46	10'	10'	10'	10'	10'
47	10'	10'	10'	10'	10'
48	10'	10'	10'	10'	10'
49	10'	10'	10'	10'	10'
50	10'	10'	10'	10'	10'
51	10'	10'	10'	10'	10'
52	10'	10'	10'	10'	10'
53	10'	10'	10'	10'	10'
54	10'	10'	10'	10'	10'
55	10'	10'	10'	10'	10'
56	10'	10'	10'	10'	10'
57	10'	10'	10'	10'	10'
58	10'	10'	10'	10'	10'
59	10'	10'	10'	10'	10'
60	10'	10'	10'	10'	10'
61	10'	10'	10'	10'	10'
62	10'	10'	10'	10'	10'
63	10'	10'	10'	10'	10'
64	10'	10'	10'	10'	10'
65	10'	10'	10'	10'	10'
66	10'	10'	10'	10'	10'
67	10'	10'	10'	10'	10'
68	10'	10'	10'	10'	10'
69	10'	10'	10'	10'	10'
70	10'	10'	10'	10'	10'
71	10'	10'	10'	10'	10'
72	10'	10'	10'	10'	10'
73	10'	10'	10'	10'	10'
74	10'	10'	10'		

Total COAL BEOS 22' 4"  
Total Thickness 911 ft

17' 8" thickness  
12  
11  
10  
9  
8  
7  
6  
5  
4  
3  
2  
1

Total COAL BEOS 22' 4"  
Total Thickness 911 ft

NOTES

1. The strata comprising some of these sections have been traced beneath and beyond the limits of mine shafts and necessarily indicate a similarity in the shape of the strata and vice versa.

2. Sections A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z, AA, AB, AC, AD, AE, AF, AG, AH, AI, AJ, AK, AL, AM, AN, AO, AP, AQ, AR, AS, AT, AU, AV, AW, AX, AY, AZ, BA, BB, BC, BD, BE, BF, BG, BH, BI, BJ, BK, BL, BM, BN, BO, BP, BQ, BR, BS, BT, BU, BV, BW, BX, BY, BZ, CA, CB, CC, CD, CE, CF, CG, CH, CI, CJ, CK, CL, CM, CN, CO, CP, CQ, CR, CS, CT, CU, CV, CW, CX, CY, CZ, DA, DB, DC, DD, DE, DF, DG, DH, DI, DJ, DK, DL, DM, DN, DO, DP, DQ, DR, DS, DT, DU, DV, DW, DX, DY, DZ, EA, EB, EC, ED, EE, EF, EG, EH, EI, EJ, EK, EL, EM, EN, EO, EP, EQ, ER, ES, ET, EU, EV, EW, EX, EY, EZ, FA, FB, FC, FD, FE, FF, FG, FH, FI, FJ, FK, FL, FM, FN, FO, FP, FQ, FR, FS, FT, FU, FV, FW, FX, FY, FZ, GA, GB, GC, GD, GE, GF, GG, GH, GI, GJ, GK, GL, GM, GN, GO, GP, GQ, GR, GS, GT, GU, GV, GW, GX, GY, GZ, HA, HB, HC, HD, HE, HF, HG, HH, HI, HJ, HK, HL, HM, HN, HO, HP, HQ, HR, HS, HT, HU, HV, HW, HX, HY, HZ, IA, IB, IC, ID, IE, IF, IG, IH, II, IJ, IK, IL, IM, IN, IO, IP, IQ, IR, IS, IT, IU, IV, IW, IX, IY, IZ, JA, JB, JC, JD, JE, JF, JG, JH, JI, JJ, JK, JL, JM, JN, JO, JP, JQ, JR, JS, JT, JU, JV, JW, JX, JY, JZ, KA, KB, KC, KD, KE, KF, KG, KH, KI, KJ, KK, KL, KM, KN, KO, KP, KQ, KR, KS, KT, KU, KV, KW, KX, KY, KZ, LA, LB, LC, LD, LE, LF, LG, LH, LI, LJ, LK, LL, LM, LN, LO, LP, LQ, LR, LS, LT, LU, LV, LW, LX, LY, LZ, MA, MB, MC, MD, ME, MF, MG, MH, MI, MJ, MK, ML, MM, MN, MO, MP, MQ, MR, MS, MT, MU, MV, MW, MX, MY, MZ, NA, NB, NC, ND, NE, NF, NG, NH, NI, NJ, NK, NL, NM, NN, NO, NP, NQ, NR, NS, NT, NU, NV, NW, NX, NY, NZ, OA, OB, OC, OD, OE, OF, OG, OH, OI, OJ, OK, OL, OM, ON, OO, OP, OQ, OR, OS, OT, OU, OV, OW, OX, OY, OZ, PA, PB, PC, PD, PE, PF, PG, PH, PI, PJ, PK, PL, PM, PN, PO, PP, PQ, PR, PS, PT, PU, PV, PW, PX, PY, PZ, QA, QB, QC, QD, QE, QF, QG, QH, QI, QJ, QK, QL, QM, QN, QO, QP, QQ, QR, QS, QT, QU, QV, QW, QX, QY, QZ, RA, RB, RC, RD, RE, RF, RG, RH, RI, RJ, RK, RL, RM, RN, RO, RP, RQ, RR, RS, RT, RU, RV, RW, RX, RY, RZ, SA, SB, SC, SD, SE, SF, SG, SH, SI, SJ, SK, SL, SM, SN, SO, SP, SQ, SR, SS, ST, SU, SV, SW, SX, SY, SZ, TA, TB, TC, TD, TE, TF, TG, TH, TI, TJ, TK, TL, TM, TN, TO, TP, TQ, TR, TS, TT, TU, TV, TW, TX, TY, TZ, UA, UB, UC, UD, UE, UF, UG, UH, UI, UJ, UK, UL, UM, UN, UO, UP, UQ, UR, US, UT, UY, UZ, VA, VB, VC, VD, VE, VF, VG, VH, VI, VJ, VK, VL, VM, VN, VO, VP, VQ, VR, VS, VT, VU, VV, VW, VX, VY, VZ, WA, WB, WC, WD, WE, WF, WG, WH, WI, WJ, WK, WL, WM, WN, WO, WP, WQ, WR, WS, WT, WU, WV, WW, WX, WY, WZ, XA, XB, XC, XD, XE, XF, XG, XH, XI, XJ, XK, XL, XM, XN, XO, XP, XQ, XR, XS, XT, XU, XV, XW, XX, XY, XZ, YA, YB, YC, YD, YE, YF, YG, YH, YI, YJ, YK, YL, YM, YN, YO, YP, YQ, YR, YS, YT, YU, YV, YW, YX, YY, YZ, ZA, ZB, ZC, ZD, ZE, ZF, ZG, ZH, ZI, ZJ, ZK, ZL, ZM, ZN, ZO, ZP, ZQ, ZR, ZS, ZT, ZU, ZV, ZW, ZX, ZY, ZZ.

No. 6.  
Mine Sheet No. XVIII.  
GRASSY ISLAND COLLIERY  
SHAFT & BORE HOLE  
FROM SURFACE TO DUNMORE BED

H&H Co.

9'  
6'  
1'  
12'  
3'  
37'  
61'  
1'  
6'  
1'  
1'  
1'  
21'

O'Staly/Sch  
IDAL  
O'Staly/Sch  
COAL BED  
S' Sap/Stdy  
G' Sandstone  
  
DIAMOND  
N' Bed of Shale  
E' Trough Sand  
  
COAL  
W' Staly  
COAL  
RO  
COAL  
COAL  
S' Sandstone

[illegible]

21 West Side

21 East Side

COAL

SHALE

117' 6"

124' 1"

MINE No. 2 BED

No. 3 BED

Map Sheet No. XVIII

MARSHWOOD COLLIERY

[illegible]

No.9.  
 Mine Shaft No.XVII.  
 JERMYN No.5 COLLIERY  
 ROCK SLOPE  
 FROM SURFACE TO  
 GRASSY ISLAND OR BIG BED  
*John Jermyn.*



31" Dumb

16'9" Muddy

11'0" Fine M.  
Muddy

16'3" Muddy  
Muddy

0'3" COAL

2'0" COAL

80'± Muddy

23'± Muddy

2'± Muddy

2'± COAL

41'± Shale

Geological log of a diamond drill borehole. The log is a vertical column with various units and their thicknesses indicated on the right. The units are: 6' 7" sand, 1' 10" shale, 2' 2" sand, 1' 4" shale, and COAL BEDS. The COAL BEDS section is further divided into 1' 4" COAL BEDS and 1' 2" COAL BEDS. The total thickness of the COAL BEDS is 2' 6". The log is labeled "DIAMOND DRILL BORE HOLE" and "No. 10".

Unit	Thickness
6' 7" sand	6' 7"
1' 10" shale	1' 10"
2' 2" sand	2' 2"
1' 4" shale	1' 4"
COAL BEDS	2' 6"
1' 4" COAL BEDS	1' 4"
1' 2" COAL BEDS	1' 2"

DIAMOND DRILL BORE HOLE  
No. 10

[illegible]

No 12.  
Mine Street No  
**EDDY CREEK CO**  
SHAFT AND BORE  
FROM SURFACE TO 102  
*D & H Co*

29

17' 0" (17' 0")

9' 4" (9' 4")

6' 1" (6' 1")

1' 11" (1' 11")

11' 4" (11' 4")

1' 4" (1' 4")

Figure 1 is a stratigraphic column showing the vertical distribution of various geological units. The column is divided into sections labeled 1 through 10, with corresponding lithological descriptions and thicknesses in meters (m). The units include: 1. 1.5 m, 2. 1.5 m, 3. 1.5 m, 4. 1.5 m, 5. 1.5 m, 6. 1.5 m, 7. 1.5 m, 8. 1.5 m, 9. 1.5 m, 10. 1.5 m. The lithology includes: 1. 1.5 m, 2. 1.5 m, 3. 1.5 m, 4. 1.5 m, 5. 1.5 m, 6. 1.5 m, 7. 1.5 m, 8. 1.5 m, 9. 1.5 m, 10. 1.5 m. The thicknesses are: 1. 1.5 m, 2. 1.5 m, 3. 1.5 m, 4. 1.5 m, 5. 1.5 m, 6. 1.5 m, 7. 1.5 m, 8. 1.5 m, 9. 1.5 m, 10. 1.5 m.

No 15  
Misc Sheet No. XVII  
OLYPHANT No. 2 COLLIERY  
SHAFT AND BOREHOLE  
FROM SURFACE TO  
CLARK BED

Diagram of a geological column with the following labels and measurements:

- Top label: *D.S.H.T. Co.*
- Left side labels (from top to bottom): *8'0"*, *7'0"*
- Right side labels (from top to bottom): *32' 0" Shale*, *OLYPH*, *10' 0" Shale*, *4' 0" Sandst.*, *5' 0" Sandst.*, *1' 8" Sandst.*, *11' 9" Shale*, *2' 0" Light s.*, *3-7' Iron St.*, *OLYPH*

[illegible][illegible][illegible]

COAL BEDS

12' 7" Sand

12' 7" Sand

12' 7" Sand

12' 7" Sand

12' 7" Sand

12' 7" Sand

COAL

Total COAL BEDS 74' 0"

Total Thickness 12' 7"

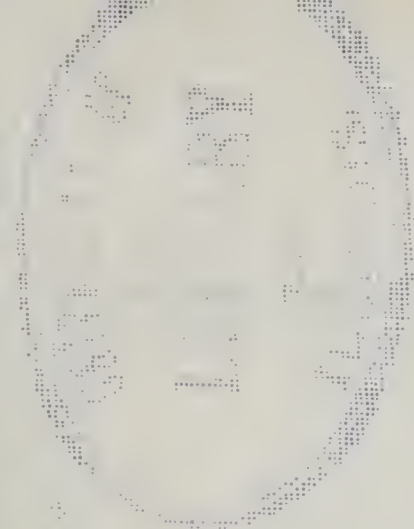
NOTES

PLATE MAPS AND SECTIONS  
 (MINE SHEETS NO. XV, XVI, XVII AND XVIII)  
 CROSS SECTION SHEETS



ATLAS OF THE UNITED STATES GEOGRAPHIC SURVEY, NO. 10

AA



357  
P38  
AA  
415  
V.15







ATLAS NORTHWESTERN ANTIPOLO FIELD, PART 3, COLUMBIAN SECTION FIELD, NO. 11. 8.

A A

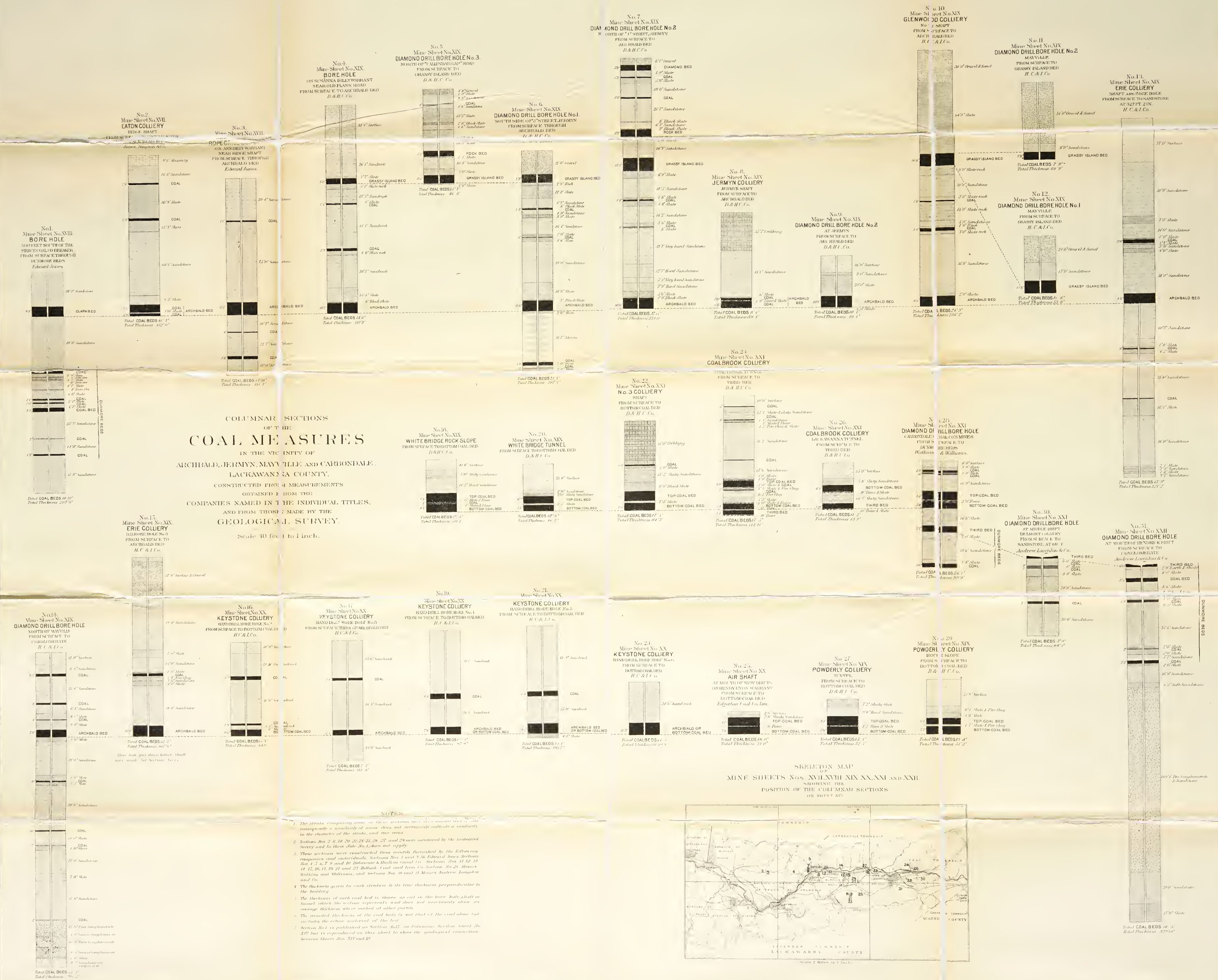
11  
12  
13  
14  
15

35  
73  
AA

11  
12  
13  
14  
15



WYOMING BASIN, ARCHBOLD AND CARBONDALE DISTRICTS.







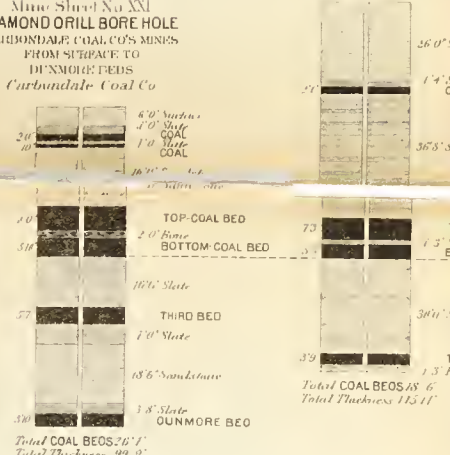


COLUMNAR SECTIONS  
OF THE  
COAL MEASURES

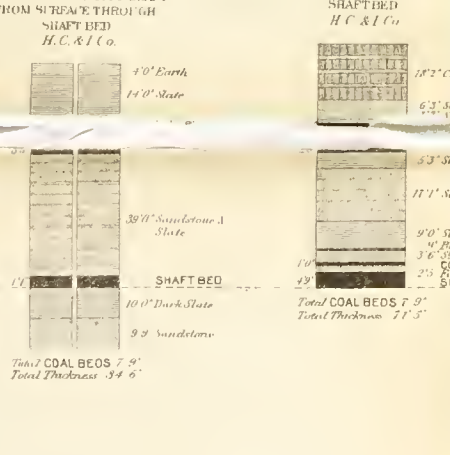
IN THE VICINITY OF  
CARBONDALE AND FOREST CITY.  
LACKAWANNA, SUSQUEHANNA AND WAYNE COUNTIES.  
CONSTRUCTED FROM MEASUREMENTS  
OBTAINED FROM THE  
COMPANIES NAMED IN THE INDIVIDUAL TITLES,  
AND FROM THOSE MADE BY THE  
GEOLOGICAL SURVEY.

Scale 10 feet to 1 inch.

No. 1.  
Mine Sheet No. XXI  
DIAMOND DRILL BORE HOLE  
CARBONDALE COAL CO'S MINE  
FROM SURFACE TO  
HUNSMERE BED  
Carbondale Coal Co.



No. 2.  
Mine Sheet No. XXI  
DIAMOND DRILL BORE HOLE  
NEAR MATHIAS FOREST CITY SHAFT  
FROM SURFACE TO  
CLIFFORD BED  
H. C. & I. Co.



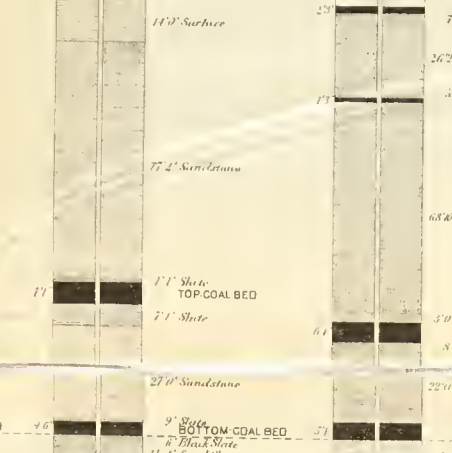
No. 3.  
Mine Sheet No. XXI  
DIAMOND DRILL BORE HOLE  
ON OLIVER INTERWARRANT  
BETWEEN FOREST CITY AND HUNSMERE  
FROM SURFACE TO  
CLIFFORD BED  
Andrew Lawrence & Co.



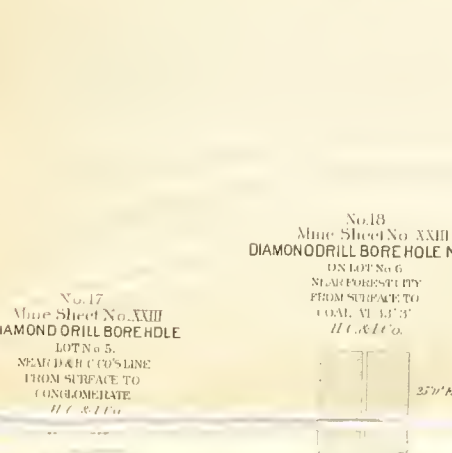
No. 4.  
Mine Sheet No. XXI  
DIAMOND DRILL BORE HOLE  
ON OLIVER INTERWARRANT  
BETWEEN FOREST CITY AND HUNSMERE  
FROM SURFACE TO  
CLIFFORD BED  
Andrew Lawrence & Co.



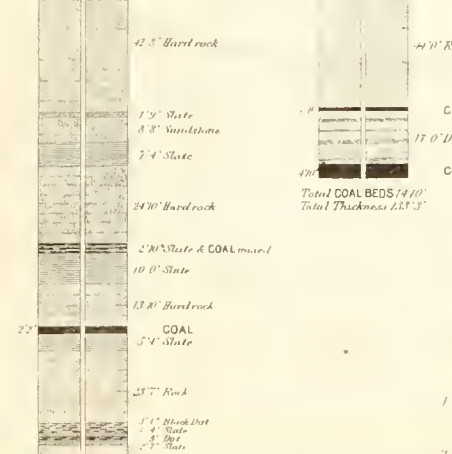
No. 5.  
Mine Sheet No. XXI  
DIAMOND DRILL BORE HOLE  
NORTHWEST FOREST CITY COLLIERY  
FROM SURFACE THROUGH  
THIRD BED  
Northwest Coal Co. (Lum.)



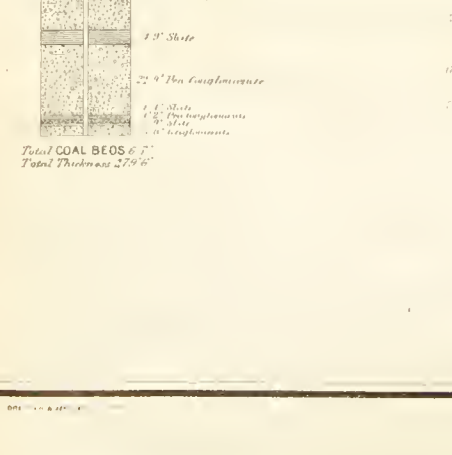
No. 6.  
Mine Sheet No. XXI  
DIAMOND DRILL BORE HOLE  
NORTHWEST FOREST CITY COLLIERY  
FROM SURFACE THROUGH  
THIRD BED  
Northwest Coal Co. (Lum.)



No. 7.  
Mine Sheet No. XXI  
DIAMOND DRILL BORE HOLE  
NORTHWEST FOREST CITY COLLIERY  
FROM SURFACE THROUGH  
THIRD BED  
Northwest Coal Co. (Lum.)



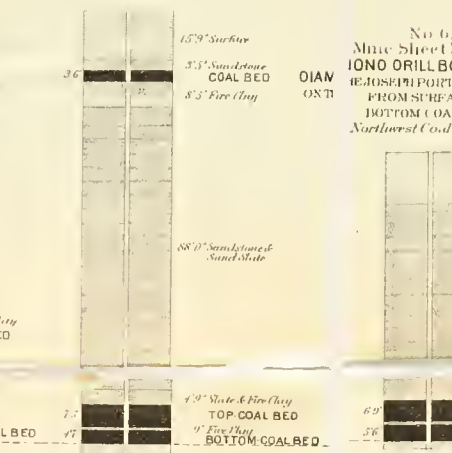
No. 8.  
Mine Sheet No. XXI  
DIAMOND DRILL BORE HOLE  
NORTHWEST FOREST CITY COLLIERY  
FROM SURFACE THROUGH  
THIRD BED  
Northwest Coal Co. (Lum.)



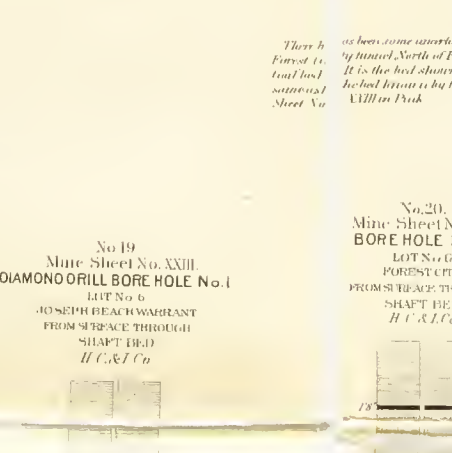
No. 9.  
Mine Sheet No. XXI  
DIAMOND DRILL BORE HOLE  
NORTHWEST FOREST CITY COLLIERY  
FROM SURFACE THROUGH  
THIRD BED  
Northwest Coal Co. (Lum.)



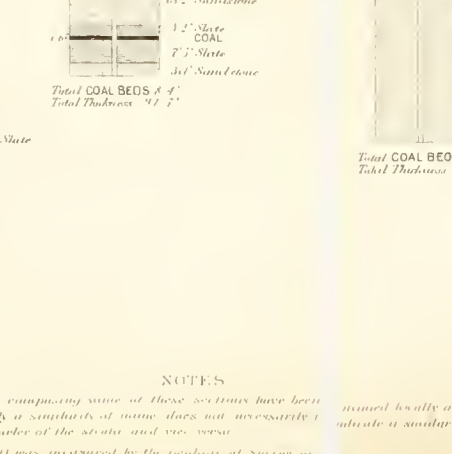
No. 10.  
Mine Sheet No. XXI  
DIAMOND DRILL BORE HOLE  
NORTHWEST FOREST CITY COLLIERY  
FROM SURFACE THROUGH  
THIRD BED  
Northwest Coal Co. (Lum.)



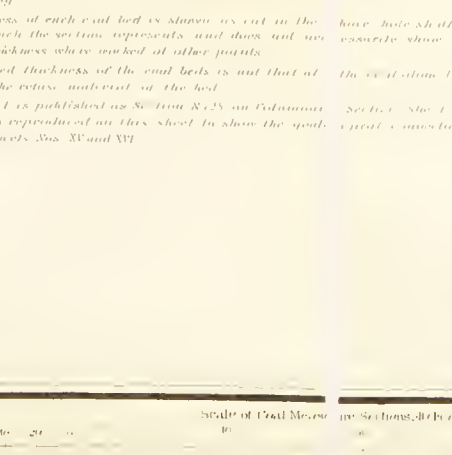
No. 11.  
Mine Sheet No. XXI  
DIAMOND DRILL BORE HOLE  
NORTHWEST FOREST CITY COLLIERY  
FROM SURFACE THROUGH  
THIRD BED  
Northwest Coal Co. (Lum.)



No. 12.  
Mine Sheet No. XXI  
DIAMOND DRILL BORE HOLE  
NORTHWEST FOREST CITY COLLIERY  
FROM SURFACE THROUGH  
THIRD BED  
Northwest Coal Co. (Lum.)



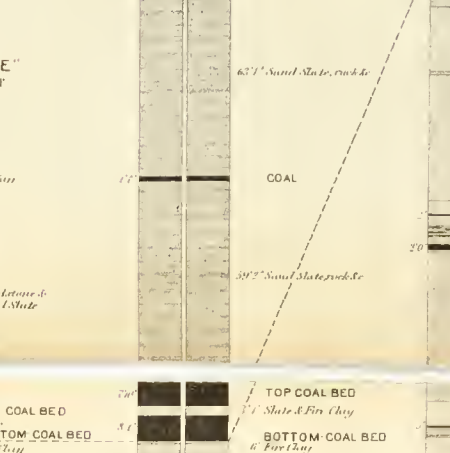
No. 13.  
Mine Sheet No. XXI  
DIAMOND DRILL BORE HOLE  
NORTHWEST FOREST CITY COLLIERY  
FROM SURFACE THROUGH  
THIRD BED  
Northwest Coal Co. (Lum.)



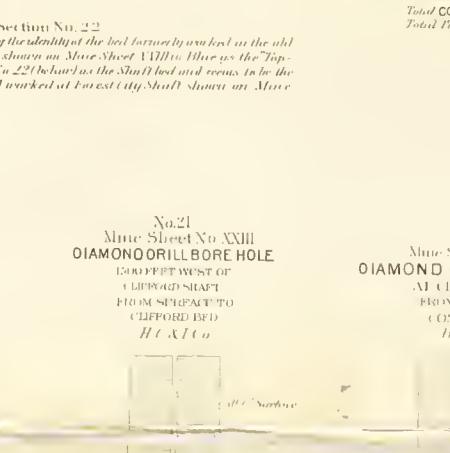
No. 14.  
Mine Sheet No. XXI  
DIAMOND DRILL BORE HOLE  
NORTHWEST FOREST CITY COLLIERY  
FROM SURFACE THROUGH  
THIRD BED  
Northwest Coal Co. (Lum.)



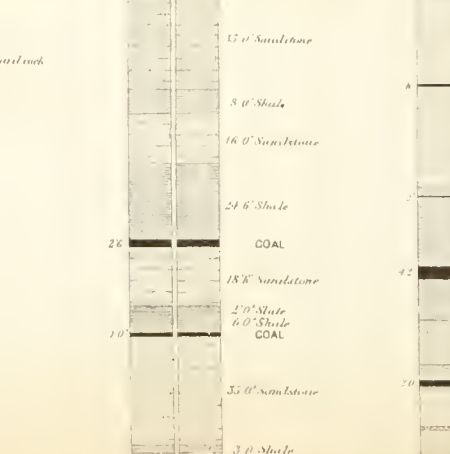
No. 15.  
Mine Sheet No. XXI  
DIAMOND DRILL BORE HOLE  
NORTHWEST FOREST CITY COLLIERY  
FROM SURFACE THROUGH  
THIRD BED  
Northwest Coal Co. (Lum.)



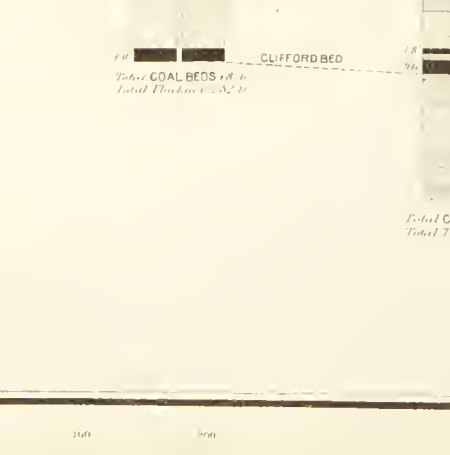
No. 16.  
Mine Sheet No. XXI  
DIAMOND DRILL BORE HOLE  
NORTHWEST FOREST CITY COLLIERY  
FROM SURFACE THROUGH  
THIRD BED  
Northwest Coal Co. (Lum.)



No. 17.  
Mine Sheet No. XXI  
DIAMOND DRILL BORE HOLE  
NORTHWEST FOREST CITY COLLIERY  
FROM SURFACE THROUGH  
THIRD BED  
Northwest Coal Co. (Lum.)



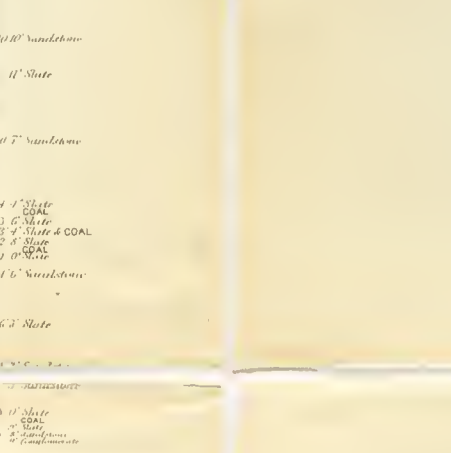
No. 18.  
Mine Sheet No. XXI  
DIAMOND DRILL BORE HOLE  
NORTHWEST FOREST CITY COLLIERY  
FROM SURFACE THROUGH  
THIRD BED  
Northwest Coal Co. (Lum.)



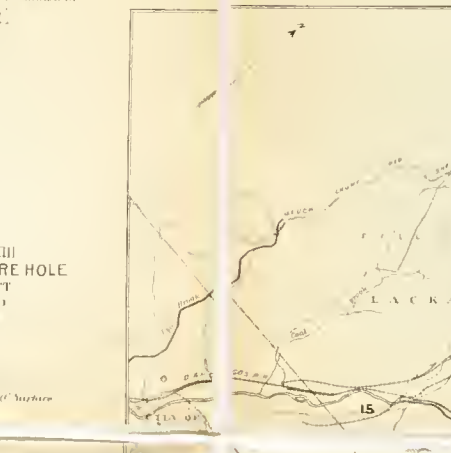
No. 19.  
Mine Sheet No. XXI  
DIAMOND DRILL BORE HOLE  
NORTHWEST FOREST CITY COLLIERY  
FROM SURFACE THROUGH  
THIRD BED  
Northwest Coal Co. (Lum.)



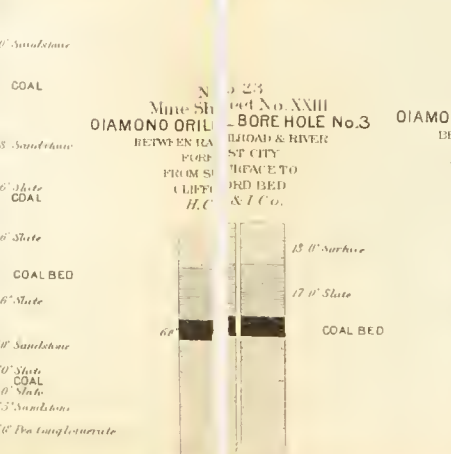
No. 20.  
Mine Sheet No. XXI  
DIAMOND DRILL BORE HOLE  
NORTHWEST FOREST CITY COLLIERY  
FROM SURFACE THROUGH  
THIRD BED  
Northwest Coal Co. (Lum.)



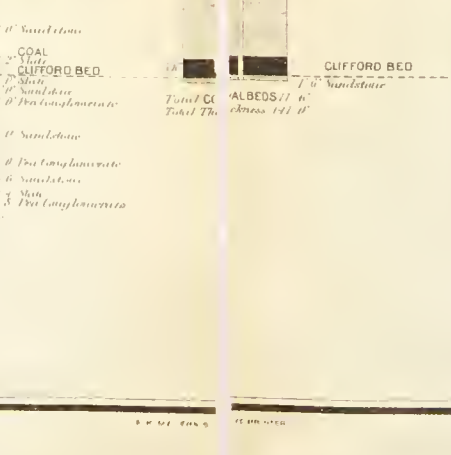
No. 21.  
Mine Sheet No. XXI  
DIAMOND DRILL BORE HOLE  
NORTHWEST FOREST CITY COLLIERY  
FROM SURFACE THROUGH  
THIRD BED  
Northwest Coal Co. (Lum.)



No. 22.  
Mine Sheet No. XXI  
DIAMOND DRILL BORE HOLE  
NORTHWEST FOREST CITY COLLIERY  
FROM SURFACE THROUGH  
THIRD BED  
Northwest Coal Co. (Lum.)



No. 23.  
Mine Sheet No. XXI  
DIAMOND DRILL BORE HOLE  
NORTHWEST FOREST CITY COLLIERY  
FROM SURFACE THROUGH  
THIRD BED  
Northwest Coal Co. (Lum.)



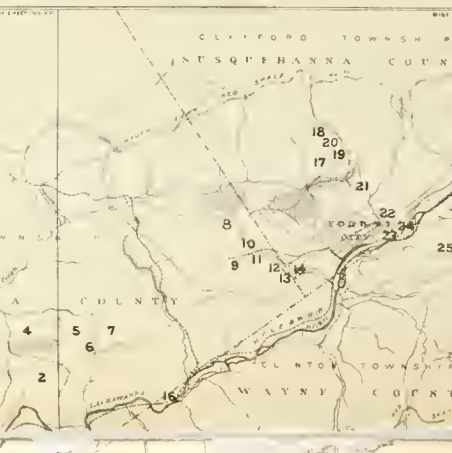
No. 24.  
Mine Sheet No. XXI  
DIAMOND DRILL BORE HOLE  
NORTHWEST FOREST CITY COLLIERY  
FROM SURFACE THROUGH  
THIRD BED  
Northwest Coal Co. (Lum.)



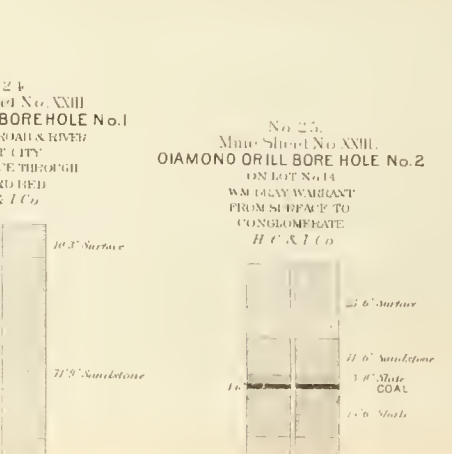
No. 25.  
Mine Sheet No. XXI  
DIAMOND DRILL BORE HOLE  
NORTHWEST FOREST CITY COLLIERY  
FROM SURFACE THROUGH  
THIRD BED  
Northwest Coal Co. (Lum.)



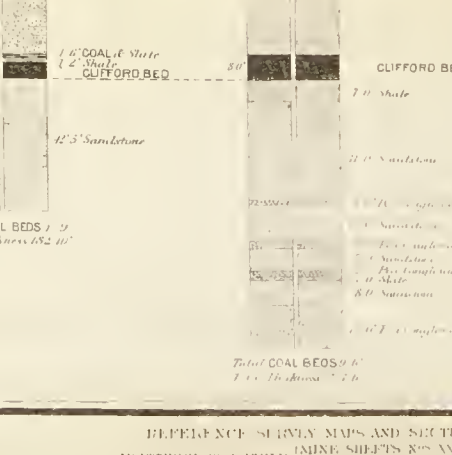
No. 26.  
Mine Sheet No. XXI  
DIAMOND DRILL BORE HOLE  
NORTHWEST FOREST CITY COLLIERY  
FROM SURFACE THROUGH  
THIRD BED  
Northwest Coal Co. (Lum.)



No. 27.  
Mine Sheet No. XXI  
DIAMOND DRILL BORE HOLE  
NORTHWEST FOREST CITY COLLIERY  
FROM SURFACE THROUGH  
THIRD BED  
Northwest Coal Co. (Lum.)



No. 28.  
Mine Sheet No. XXI  
DIAMOND DRILL BORE HOLE  
NORTHWEST FOREST CITY COLLIERY  
FROM SURFACE THROUGH  
THIRD BED  
Northwest Coal Co. (Lum.)



No. 29.  
Mine Sheet No. XXI  
DIAMOND DRILL BORE HOLE  
NORTHWEST FOREST CITY COLLIERY  
FROM SURFACE THROUGH  
THIRD BED  
Northwest Coal Co. (Lum.)



SKETCH MAP  
OF PARTS OF  
MINE SHEETS XXI AND XXII  
SHOWING THE  
POSITION OF COLUMNAR SECTIONS  
ON SHEET XI.



Scale 1 mile to 1 inch.

NOTES.

1. The strata comprising some of these sections have been consequently a synthesis of mine data not necessarily in the character of the strata and vice versa.
2. Section No. 11 was constructed by the company at Susquehanna.
3. These sections were constructed from records furnished by the companies. Section No. 24 has been constructed from the records of the Forest City Colliery and the records of the Forest City Colliery.
4. The thickness given to each stratum is its true thickness as ascertained by the company.
5. The thickness of each coal bed is shown as cut in the tunnel which the section represents and shows the average thickness where marked at other points.
6. The revealed thickness of the coal beds is not that of the entire bed, but of the part shown in the section.
7. Section No. 1 is published as Section No. 1 in the volume of the Survey of the Northern Coal Field, but is reproduced on this sheet to show the position of the section.